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User's Manual

使用说明书

MP3 Voice Recorder SR-M180/M160



Thank you your purchasing a MP3 VOICE RECORDER.
Please read this User Guide before you use your MP3 VOICE RECORDER.
There is a warranty inside of manual.
Please state the content of warranty when you purchase it.
Please keep the warranty.

特征

1. 最多可录下297条录音内容，具有99种MP3/WMA档案储存功能。
2. MP3/WMA档案播放功能。
3. 附加资料文档的储存功能(99个)。
4. 可通过USB.1.1快速存储于电脑。
5. 采用超薄型设计，携带方便。
6. 可录制电话通话内容。
7. 自动关闭电源功能。
8. 搜索播放功能。
9. 多种反复播放功能。
10. 录音中可分离索引。
11. 接线录音时，可通过耳机监听。
12. VOR(自动停止录音)功能。
13. 背后照明功能。
14. 通过内建喇叭播放的功能。

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警告和注意事项

警告

1. 切勿擅自修理，拆卸和改造。
2. 在机场或严禁使用电子仪器的地方，切勿使用。
3. 切勿将本产品的配件放入嘴中。
4. 切勿将本产品丢入水中，或测入饮料等。

注意

1. 切勿撞击本机和配件，否则会成为引起故障的原因。
2. 若由于烟气或发热致使本产品变形或发生异常时，请即刻取下干电池，折掉外设连接线。
3. 切勿用力按压或撞击液晶显示屏发生异常。
4. 避免长时暴露于直射光线下，切勿靠近热源。
5. 长时间不使用时，请拿下干电池后予以保管。
6. 呈现状的配件，如耳机，耳机麦克风，录音机接线等，切不可用力拉拽。
7. 由于使用本产品而造成的损失以及由第三者提出的赔偿请求，本公司将不负任何责任。希望各位用户对此予以理解。
8. 由于在使用中发生的故障以及在修理过程中发生的存储内容的丢失，本公司将不负任何责任。因此，请将重要的内容即使备份到PC或者其他记录媒体。
9. 本产品的扬声器可能会对信用卡、定额卡等利用磁原理制作的卡造成影响，对此敬请消费者注意。
10. 本产品禁止用于侵害他人生活以及盗听等用途，希望消费者能够对此予以理解。

※ 外观和规格随时可能发生变化，恕不奉告。

内容确认

录音机和配件



本体



电话录音用适配器



电话录音用接线



双耳机



USB电线



外置麦克风



录音机电缆



干电池(AAA ×1)



CD-ROM

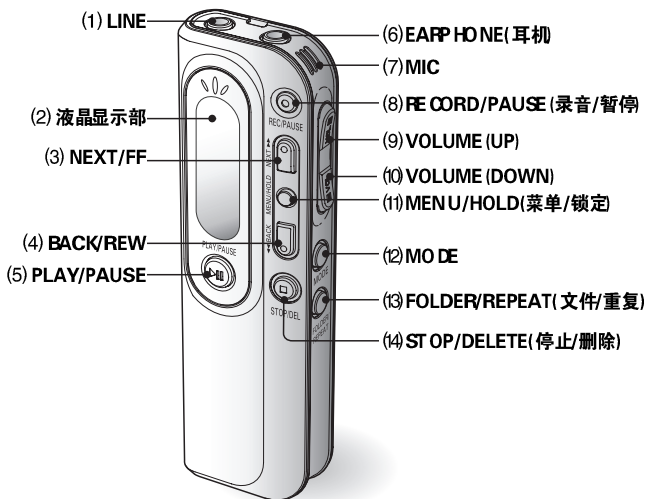
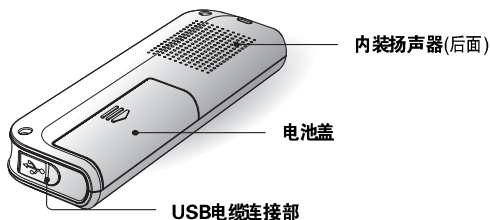


使用说明

各部分名称



1 本体





2 按钮说明

(1) **LINE**

这是外接线端。

(2) **液晶显示部**

显示当今状态。

(3) **NEXT/FF**

Forward 按钮具有移到下一个档案等的功能。

(4) **BACK/REW**

Rewind 按钮具有移到上一个档案等的功能。

(5) **PLAY/PAUSE**

用播放按钮播放当今档案。

(6) **EARPHONE(耳机)**

这是耳机连接端。

(7) **MIC**

以内建麦克风录音时使用。

(8) **RECORD/PAUSE(录音/暂停)**

以录音按钮录音时使用。

(9) **VOLUME(UP)**

加大音量时使用。

(10) **VOLUME(DOWN)**

降低音量时使用。

(11) **MENU/HOLD(菜单/锁定)**

要进入菜单(功能单)或锁定按钮时使用。

(12) **MODE**

MP3播放器和录音机模式变换时使用。

(13) **FOLDER/REPEAT(文件/重复)**

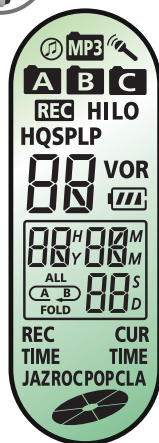
这是在变换档案或设定档案反复模式时使用的按钮。

(14) **STOP/DELETE(停止/删除)**

该按钮具有播放或录音当中停止和删除档案或资料夹的功能。

液晶显示和图符

画面显示部说明



FOLDER显示 (当用作录音机时)	FOLDER显示 (当用作MP3时)
HQ/SP/LP 录音方式状态显示	索引显示
HI/LO 录音方式状态的灵敏度显示	电池表示
VOR VOR显示	反复功能显示
正在录音中显示	已录音档案的录音时间显示
正在播放或录音中显示	当今时间确认显示
JAZ ROC POP CLA EQ设定变化模式显示	
H M S 显示时间的显示	Y M D 显示日期的显示

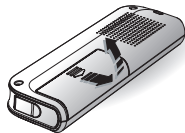
电池使用法

< 产品购置时 >

1 请开封干电池

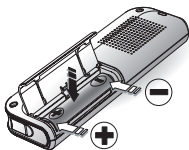
将用于防止干电池消耗而套的塑料揭开。

2 打开干电池盖



3 放入干电池

1. 核实1节干电池(规格为AAA)的极性(+/-)后,放入电池盒内盖好盖。
2. 先夹⊖极性边,向⊕极性边推接好。



(如图 1)

(如图 2)



3. 装入干电池后整个液晶显示器开亮,进入录音模式,然后停止于A资料夹。(如图 2)

< 电池更换时 >

1 检查电源是否关闭

若在电源打开的情况下更换电池时,可能会成为造成故障的原因。

2 电池分离方法

1. 打开干电池盖
2. ⊕极性边向⊖极性边推举起来。

3 以下与<产品购买时>的方法同样。

干电池使用时间

使用干电池	录音时	当播放录音内容时	当播放MP3时
LR 03	约6个小时	约6个小时	约7个小时

基本使用方法



1 开机

按 **PLAY/PAUSE**键，则电源按打开，处于停止状态。

- 按 **REC/PAUSE**键时情况同上。

关机

1分钟内无任何操作时电源自动关闭。

- ▶ 在STOP状态长按 **PLAY/PAUSE**按钮便可打开电源。

(如图 1-1：录音机状态，如图 1-2：MP3 播放器状态)

(如图 1-1)



(如图 1-2)



2 锁定键盘(HOLD)

为了防止录音或者播放过程中的误操作，请使用锁定(HOLD)功能。

1. 如果在录音/播放/停止状态下长按 **MENU/HOLD**Key (约2秒)，按键成为锁定状态(Hold On)。

- 在锁定状态按其他的键，将显示 'Hold On'，并除了 **MENU/HOLD**键之外的其他所有键将不起作用 (参照 如图1-3)。

2. 在键按锁定的状态下，长按 **MENU/HOLD**键约2秒钟，则解除锁定键盘状态。

- 在CD上显示 'Hold OF'，HOLD(锁定)模式被解除，并转到正常动作状态(参照 如图 1-4)。

(如图 1-3)



(如图 1-4)



录音



录音之前须知

- ※ 为防止录音失败，请录音前测试。
- ※ 确认是否停止状态后再操作。
- ※ 在MP3播放器模式中是不能录音的。

(如图 2-1)



- ▶ 如果不设定为录音机模式(如图 2-1状态)就不能录音。
- ▶ 录音中，若按住  PLAY/PAUSE键，则显示可录音的剩余量。
- ▶ 每个档案最多可能录制的Folder为99个。(最多396Folder: 99 X 3)
- ▶ 录音时间超过用量时，LCD画面出来“FULL”状态。
这时，如果进行录音，要删除一些录音内容。
删除以前，需要内容用外部机械（磁带，电脑等）拷贝。
- ▶ 录音档案数超过99件时，也LCD画面出来“FULL”状态。
这时，按Folder/Repeat Key键移动到别的文件，并进行录音。
如果A,B,C文件里都录音99件档案，不可能进行录音。所以，
用外部机械拷贝录音内容后，删除录音档案，再开始录音。
- ▶ 如果在录音过程中取下干电池或在PC上连接USB，会出现错误动作。
- ▶ 如果要长时间进行录音，请首先在停止状态或电源关闭状态下更换电池后再使用。
- ▶ 请注意，若在利用内置麦克风录音时抚摸或移动本机可能会成为引起噪音的原因。
- ▶ 在VORON状态下，若音源的声音弱时，录音便会监时停止(暂停)。
- ▶ 录音放当中暂停将持续30分钟，30分钟后转为停止状态。

录制语音

※ 在录音之前请设定录音感度, 资料夹, VOR功能及音质(HQ, SP, LP)。

1 利用内置麦克风录音

※ 请使用MODE键设定为录音机模式。

※ 将产品放在书桌或桌子上后, 请录音时使用。

1. 将本产品的内置麦克风朝向声源。
2. 按下 ● REC/PAUSE键, 在LCD液晶上表示REC, 录音开时。
(如图 2-2, 如图 2-3)
3. 按REC/PAUSE键时将暂停(Pause), 并“PAUS”文字闪灭。(如图 2-4)
※ 如果在录音暂停状态下30分钟内不操作, 将会停止。
4. 若录音中, 若再次按 ● REC/PAUSE键, 录音断续开始。
5. 如果在录音或录音暂停状态下按 ● STOP/DEL键, 录音停止。

(如图 2-2)



(如图 2-3)



(如图 2-4)



2 利用外置麦克风录音

※ 位于小袋或袋子里时, 请使用产品。

1. 将本公司提供的外部麦克风的插头插入本产品的接线。
2. 录音操作同内置麦克风的内容相同。



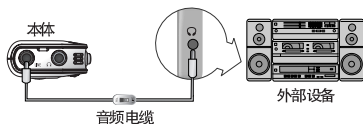
(如图 2-5)

利用接线(LINE)录音

- ※ 在录音之前请设定录音感度、资料夹、VOR功能及音质(HQ, SP, LP)。
- ※ 如果在进行线路录音时使外接设备的音量过于高,会在录音时出现声音歪曲。

1 利用外设(录音机, 电脑等)进行录音

1. 将音频电缆连接于本产品的接线插口和外部设备(录音机, 电脑)的耳机插口。(请参照下图)



2. 将音频的开关设定“LINE”。(请参照下图)



3. 播放Audio机械。
4. 录音操作同内置麦克风的内容相同。

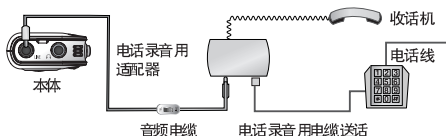
- ▶ 若在本产品上插入耳机, 则可以监听到外部输入声音。

※ 注意: 音频电缆若不将开关转换为Line, 随着外接设备状态, 耳机有可能听不到。
(此时录音品质变得不良)

- ▶ 录音时, 虽然耳机的声音略有变化, 但录音将正常进行。
- ▶ (录音状态下)将经过耳的声音用 VOLUME键可调整。

2 录制一般电话的通话内容

1. 将音频电缆连接于本产品接线插口和另外的适配器。将电话录音用电缆连接于适配器和电话机。将电话的送话和收话连接分别连接于适配器。
2. 将音频电缆的开关设定“TEL”。



※ 注意：有不录音的电话，需要测试录音。

※ 根据不同的电话机，有时需变更透路的方向。

3. 录音动作和内置麦克录音动作同一。

播放

1 播放语音录音档案

※ 在播放前用MODE按钮设定录音机模式。

※ 在播放当中使用 VOLUME UP/DOWN 按钮调节音量。

1. 按FOLDER/REPEAT键选择文件(A, B, C)。

● 如果没有另外的选择, 当今Folder内的档案被播放。

2. 请用NEXT或BACK键选择希望播放的档案。

3. 按  PLAY/PAUSE键, 显示录音的时间并开始播放。(如图 3-1)

4. 如果在播放当中按  PLAY/PAUSE键, 播放将暂停。(如图 3-2)

5. 播放中若处于暂停状态时, 再按一下

 PLAY/PAUSE键, 则继续播放。

● 如果在播放暂停状态下30分钟内不做任何操作则停止。

6. 在播放或暂停状态下, 按  STOP/DEL键则停止播放。

(如图 3-1)



(如图 3-2)



2 播放MP3/WMA档案

※ 播放前用MODE按钮设定成 MP3播放器 模式。

※ 在播放当中使用 VOLUME UP/DOWN 按钮调节音量。

※ 在Play或Stop状态可以使用MENU/HOLD按钮调节Equalizer。

(按 JAZZ→ROCK→POP→CLASSIC→
NORMAL 顺序变换)

1. 请用NEXT或BACK键选择希望播放的档案。

在MP3播放器 模式可使用 FOLDER/REPEAT 按钮变更资料夹。

2. 按  PLAY/PAUSE键, MP3/WMA档案开始播放。(如图 3-3)

3. 如果在播放当中按  PLAY/PAUSE 键, 播放将暂停。(如图 3-4)

4. 播放中若处于暂停状态时, 再按一下

 PLAY/PAUSE键, 则继续播放。

● 如果在播放暂停状态下30分钟内不做任何操作则停止。

5. 在播放或暂停状态下, 按  STOP/DEL键则停止播放。

※ 当MP3档案为VBR时, 该档案的总播放时间会显得有变化。

(如图 3-3)



(如图 3-4)



3 高速搜索

※ 现在的功能在录音机或MP3播放器中均有效果。

1. 请在播放当中按NEXT或BACK键0.5秒以上。在按下的状态下没有声音，但液晶画面的播放时间快速增加或减小。
2. 若在一定的位置上松手，则从当前液晶画面的播放时间开始播放。
3. 如果使用NEXT键高速检索时遇到当今档案的末尾则转入下一个档案，并当今Folder内的最后一个档案检索完后返回第一个档案，这种过程反复进行。
4. 如果使用BACK键高速检索时遇到当今档案的开头则转入前一个档案，并当今Folder内的第一个档案检索完后转入最后一个档案，这种过程反复进行。

4 其他档案的播放

※ 现在的功能在录音机或MP3播放器中均有效果。

1. 当变更一个档案时。
 - ① 如果在播放状态下短按NEXT键，将移到下一个或前一个档案进行播放。
 - ② 播放中，按BACK Key键3秒以内，移动到以前的档案并播放，3秒以后按BACK Key时，移动到播放档案的开始部分并在播放。
2. 当变更多个档案时，如果在停止状态长按NEXT或BACK键(2秒以上)，此时档案会快速移动。
 - 如果在移动中放开键就会停在当今的档案号。

5

反复播放

※ 当今功能可用于录音机或MP3播放器两种模式。

※ 如果在反复播放当中按  PLAY/PAUSE键便会暂停。

反复播放同一个区段

在一个文件内反复一个区段。

(如图 3-5)

1. 播放中，在欲反复播放的起始处按FOLDER/REPEAT键。
- 此时反复播放的起始位置指定，在椭圆形箭头符号内 A B 闪烁。
(如图 3-5)
2. A B 闪烁时在区间反复的末尾部分短按 FOLDER/REPEAT 按钮可以设置无穷反复。
3. 在区间反复进行中短按FOLDER/REPEAT键，则解除区间反复进行播放。
4. 如果在区段反复当中按  STOP/DEL键，区段反复将被解除并停止。

※ 指定A后播放中的档案结束时当今档案的末尾被设定为B而进行反复播放。



档案反复播放同一个

- 反复播放一个档案。

- 在录音机或MP3播放器中操作相同。

(如图 3-6)

1. 请在播放状态长按一次(2秒)FOLDER/REPEAT键。
2. 此时会出现椭圆形文字，并当今正在播放中的档案会无限制地反复播放。(如图 3-6)
3. 如果在停止状态下长按一次 FOLDER/REPEAT键，会设定为档案反复播放模式。
4. 如果在档案反复播放模式已设定的状态下按  PLAY/PAUSE键，将反复播放档案。
5. 如果在反复播放档案当中按  STOP/DEL键，播放将停止，当今的反复播放模式保持现状。



FOLDER反复播放同一个

- 反复播放一个资料夹(Folder)内的全部档案。
- 在录音机或 MP3播放器中操作相同。

1. 请在播放当中长按二次(2秒) FOLDER/REPEAT键。
2. 在椭圆形箭头下面显示FOLD。(如图 3-7)
- 在 MP3播放器 模式中, 在椭圆形箭头上面会显示出 ALL。(如图 3-8)
3. 当今 Folder内的所有档案将被反复播放。
4. 如果在 Folder反复过程中按  STOP/DEL键, 播放会停止, 当今的反复播放模式保持当今状态。

(如图 3-7)



(如图 3-8)



(如图 3-9)

全部FOLDER反复播放

- 播放A, B, C所有Folder内的档案。
- 所有Folder反复播放功能只有在录音机状态下可以使用。
- 在MP3播放器模式下不能操作。

1. 请在播放下长按三次(2秒) FOLDER/REPEAT键。
2. 在椭圆形箭头上显示有文字ALL显示。(如图 3-9)
3. 顺次无限制地播放所有A, B, C Folder。
4. 如果在档案反复播放当中按  STOP/DEL键, 播放停止, 当今的反复播放模式保持当今的状态。



(如图 3-10)

SHUFFLE反复播放

- 仅适于MP3播放器模式。
- 在资料夹中选择任意的档案进行播放。

1. 请在播放下长按三次(2秒) FOLDER/REPEAT键。
2. 在LCD中会显示出“SHUF”。(如图 3-10)
3. 播放MP3资料夹内的任一档案。
4. 以后档案变换时在档案的初始部分会在 LCD显示出“SHUF”。
5. 如果在档案反复播放当中按  STOP/DEL键, 播放停止, 当今的反复播放模式保持当今的状态反复播放过程(长按 Repeat/Fold键时)。



※ 反复播放过程 (长按Repeat/Fold键时)



删除档案

1 删除一个档案

(如图 4-1)

※ 根据档案的大小, 会需要较长的删除时间。

※ 在录音机或MP3播放器中操作相同。

1. 在停止状态下, 短按  STOP/DEL键。
 - 显示档案号, DEL闪烁, 从删除等待状态开始播放。
2. 按NEXT或BACK键移动到希望删除的档案。(如图 4-1)
3. 再次长按  STOP/DEL键(约3秒钟), 则当现在前的档案被删除。
 - 此时, 被删除档案后的下次档案自动依次进一个号。
4. 如果不想在删除等待状态进行删除, 短按  STOP/DEL键或在10秒内不操作按键, 将会返回STOP状态。

※ 01, 02, 03, 04 → 03删除 → 01, 02, 03(04号会移到03)。



2 删除FOLDER

(如图 4-2)

※ 在录音机或MP3播放器上的操作相同。

※ 如果资料夹内的档案数量多, 删除需要的时间要长。

删除一个FOLDER

1. 在停止状态下, 场按  STOP/DEL键(约3秒钟)。
 - 显示当前Folder, DEL闪烁。
2. 移动到要删除的Folder上。(如图 4-2, 4-3)
 - Folder的移动是以"A → B → C → ABC → A"的过程。
 - LCD上ABC与AL字显示时, 变换删除全部Folder的内容的状态。
 - 在MP3播放器模式时, 即使显示"DEL"时按FOLDER/REPEAT键也没有作用。
3. 长按  STOP/DEL键(约3秒钟), 则被选择Folder的所有索引全被删除, 并在该Folder下处于停止状态。
4. 如果在3中不希望删除Folder, 可短按  STOP/DEL键退出Folder删除模式。

※ 除了NEXT或BACK键以外, 按什么键就换成STOP状态。



(如图 4-3)



菜单功能

- ※ MENU项目顺序：SENSE → VOR → BACK LIGHT → 录音音质 → 现在时间 → SCAN → 设定时间 → SENSE。
- ※ 仅在停止状态下可以操作。
- ※ 请要短按键。
- ※ 仅在录音机状态下可以操作，在MP3播放器状态下不会进入MENU模式。

1 设定麦克录音的灵敏度

- ※ 请调制，随着录音的周围环境。
- ※ 产品出厂时，被设定为高灵敏度(HI SENSE)。

1. 在停止状态下，短按一次MENU/HOLD键(如图 5-2)。
2. 请使用NEXT或BACK键设定低感度模式(LO SENSE)或高感度模式(HI SENSE)。(如图 5-1, 如图 5-2)
3. 如果想选择变更的模式，可按MENU/HOLD键后到下一个MENU或按  STOP/DEL键或等待10秒钟便可选择。

(如图 5-1)



(如图 5-2)



小常识

高灵敏度(HI SENSE)：建议在寂静的环境中使用。
低灵敏度(LOW SENSE)：建议在吵闹的环境。

2 VOR 功能

- ※ VOR是指当声源音量变小时录音自动暂停的功能。
- ※ 产品出厂时，被设定为VOR OFF方式。
- ※ 在VOR工作时会现声音略为断续的现象。
- ※ 如果在感度LOW的状态使用VOR ON，只有在声音大时才能录音。
- ※ 在录下重要的录音时，请将VOR置OFF。

1. 请在STOP状态短按两次MENU/HOLD键。(如图 5-3)
2. 请按NEXT或BACK键设定VOR ON/OFF。(如图 5-3, 如图 5-4)
3. 如果想选择变更的模式，可按MENU/HOLD键后到下一个MENU或按  STOP/DEL键或等待10秒钟便可选择。

(如图 5-3)



(如图 5-4)



3 BACK LIGHT的设置

- ※ 本方法用于选择在按下键时是否开启背景灯(Back Light)。
- ※ 在产品出厂时Back Light被设定为ON。

1. 请在STOP状态短按三次MENU/HOLD键。(如图 5-5)
2. 请按NEXT或BACK键设定LIGHT On/Off。(如图 5-5, 如图 5-6)
3. 如果想选择变更的模式, 可按MENU/HOLD键后到下一个MENU或按  STOP/DEL键或等待10秒钟便可选择。
4. 设定On后如果有按钮按下, 则亮灯3秒钟。

(如图 5-5)



(如图 5-6)



4 录音音质的设定

- ※ 本方法用于设定录音音质。(根据设定情况, 可录音的时间会有不同)
- ※ 本产品出厂时已被设定为SP模式。

1. 请在STOP状态下短按四次MENU/HOLD键。(如图 5-7)
2. 用NEXT或BACK键设定LP, SP, HQ。(如图 5-7, 如图 5-8, 如图 5-9)
3. 如果想选择变更的模式, 可按MENU/HOLD键后到下一个MENU或按  STOP/DEL键或等待10秒钟便可选择。

(如图 5-7)



(如图 5-8)



(如图 5-9)



LP : 6.4 Kbps, 可录较长时间的低音质录音。
 SP : 8Kbps, 可录标准音质。
 HQ: 14.6Kbps, 可录高音质的录音, 但可录音时间会缩短。
 (请参照37页产品规格。)

5 时间确认功能

※ 购买购买后，第一次连接电池，从2003年01月01日00时00分00秒开始。

※ 如果不更换电池2分钟以内，变成以上的初期状态。

1. 在STOP状态短按MENU/HOLD键5次。
(如图 5-10)
2. 用NEXT或BACK键交替确认当今的时间和日期。
(如图 5-10, 如图 5-11)
3. 如果想选择变更的模式，请按MENU/HOLD键到下一MENU或按  STOP/DEL键或等待10秒钟退出。

(如图 5-10)



(如图 5-11)



6 SCAN功能

※ 本功能用来顺次听取全部录音档案的开头5秒钟。

1. 请在STOP状态短按MENU/HOLD键6次。
(如图 5-12)
2. 按  PLAY/ PAUSE/REMAIN键，则从当前Folder的第1个档案起依次播放3秒钟。
(如图 5-12, 如图 5-13)
3. 如果想结束SCAN功能模式，请按  STOP/DEL键，或当今的Folder扫描完后变为STOP状态。

(如图 5-12)



(如图 5-13)



7 时间设定功能

※ 设定当前日期与时间的方法。

1. 请在STOP状态短按七次MENU/HOLD 键。
2. 最初在日期设定模式下的Y(Year)部分光标闪烁。(如图 5-14)
3. 以VOLUME UP/DOWN 键调整日期。(如图 5-15)
4. 以NEXT/BACK键变换Y→M→D, 以Volume键调整月与日, 设定 D(DAY)后, 按NEXT键, 进入设定时间模式。
5. 时间设定方式与日期设定相同。(如图 5-16)
6. 如果想结束时间设定, 可按 MENU/HOLD, 或STOP/DEL键, 或不按任何键时经过10秒钟便可退出。

※ 注意：在时间设定中没有设定成为“00”值，在日期设定中没有设定成为“01”。

(如图 5-14)



(如图 5-15)



(如图 5-16)



※ 没有设定时间时被设定为2003年01月01日00时00分00秒。

附加功能(录音机)

1 录音日期/时间确认功能

※ 录音时设定的日期/时间将被储存下来。本功能就是确认该时间。

1. 在STOP状态长按MODE键(2秒)。
(如图 6-1)
2. 进入确认录音日子的模式。
3. 可用 VOLUME UP/DOWN 键一边 边换日期和时间一边确认。(如图 6-1, 如图 6-2)
4. 按NEXT/BACK键, 显示变动档案的录音时间。
5. 如果想结束日期/时间功能,
可按 STOP/DEL 键, 或没有按任何键时经过
10秒钟后退出。

(如图 6-1)



(时间)

(如图 6-2)



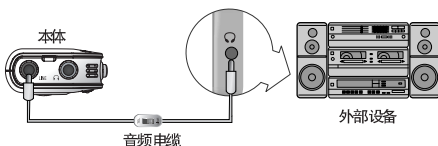
(日期)

储存于外部设备

1 储存于外部录音机(盒式磁带录音机等)

1. 将音频电缆连接到本产品的耳机端和外接音频麦克风输入端或外接设备输入端。

※ 将音频的开关设定“LINE”。



※ 若音频电缆的插头同录音机的输入插口不匹配时，应采用适配器。

2. 同时按外部录音机的录音键和本体的播放键便开始录音。

2 用USB储存于电脑

※ 利用电脑声卡储存的方法

1. 将产品购买时附加的CD插入电脑的CD-ROM Drive。
2. 所需程序的安装和储存方法，请参考另外的说明书。

Sound Map M 的安装

1. Sound Map M 的安装

- ▶ 在电脑的CD-ROM中放入安装光盘便会出现如下画面。
按如下所示的“下一步”按钮进行安装。

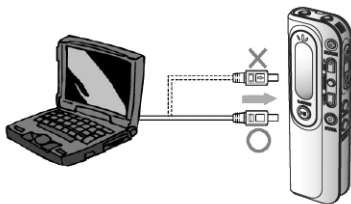


※ 安装 Sound Map M 所需电脑规格:
Windows 98SE /Me/2000/XP, USB 1,1

电脑连接

2. 电脑连接

- ▶ 使用电脑的USB缆线连接电脑和录音机。



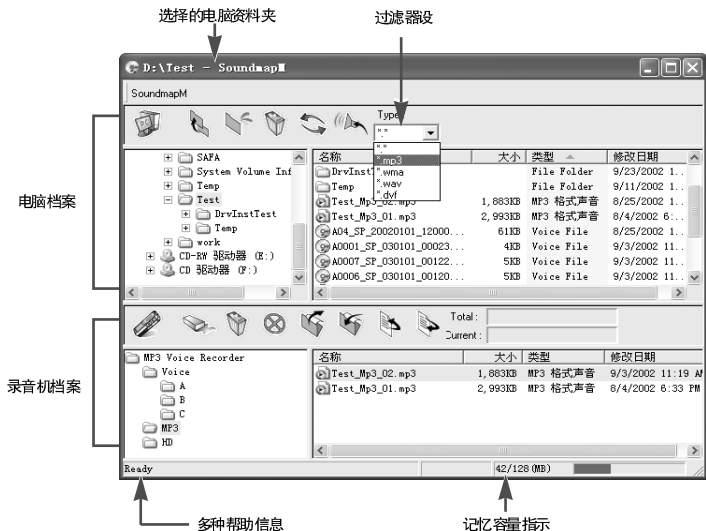
- ▶ 连接与PC时，不要连接耳机和Line Cable。
- ▶ Windows 98SE/Me/2000 系统连接后安装结束，Windows XP 系统则出现如下画面。



Sound Map M 的组成

3. Sound Map M 的组成

1) Sound Map M 的组成



2) 按钮说明

(1) 电脑档案按钮

	移到上一资料夹。
	创建新的资料夹。
	删除选择的档案。
	将选择的录音档案变换为 WAVE 档案， 或将选择的 WAVE 档案变换为录音档案。
	显示更新的内容。

(2) 录音机档案按钮

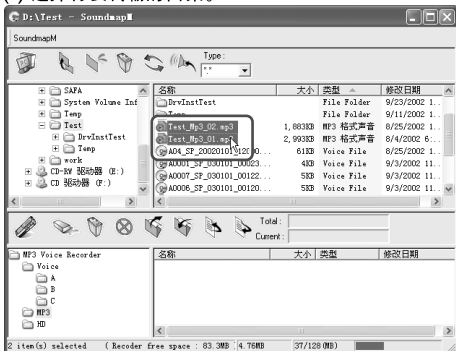
	录音机连接时该按钮从黑白变为彩色， 以显示处于连接状态。
	停止上载、下载、录音档案的变换。
	将选择的档案上载到电脑。
	将选择的档案下载到录音机。
	删除选择的档案。
	删除录音机的各种档案。
	将选择的档案顺序向前移动。
	将选择的档案顺序向后移动。

电脑档案的管理

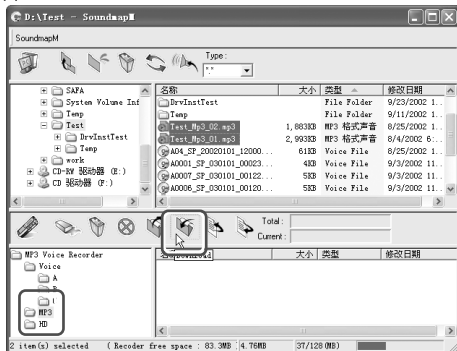
4. 电脑档案的管理

1) 向录音机下载档案。

(1) 选择将要传输的档案。

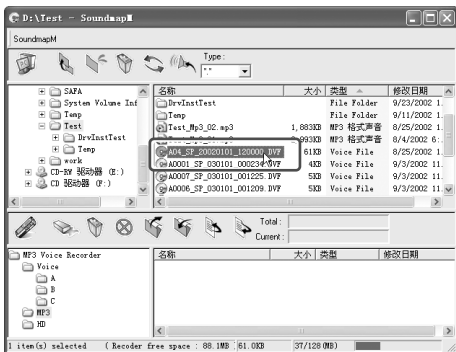


(2) 选择录音机的资料夹后点选“下载”按钮。

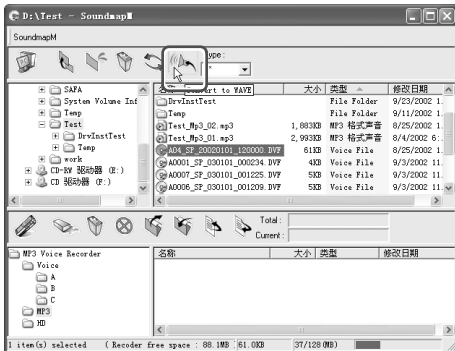


2) 变换录音档案

(1) 选择将要变换的档案。



(2) 点选"变换"按钮。

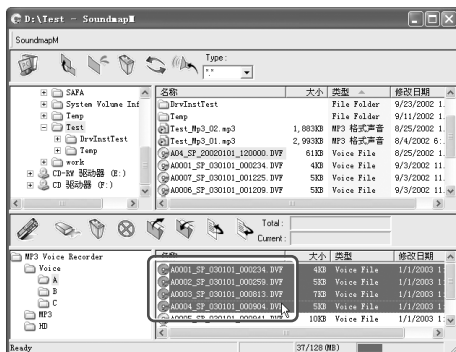


录音机档案的管理

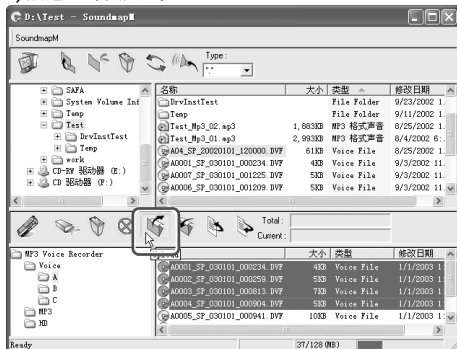
5. 录音机档案的管理

1) 向电脑传输档案

(1) 选择将要传输的档案。

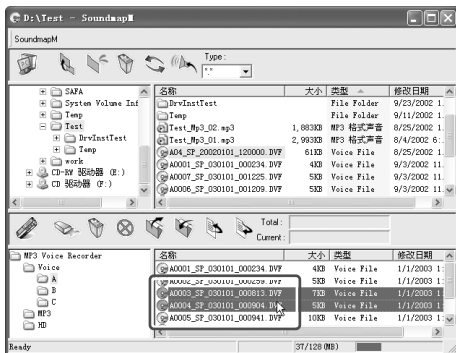


2) 点选"上传"按钮。

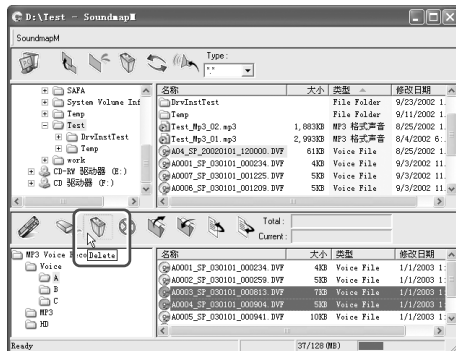


2) 删除部分档案

(1) 选择将要删除的档案。

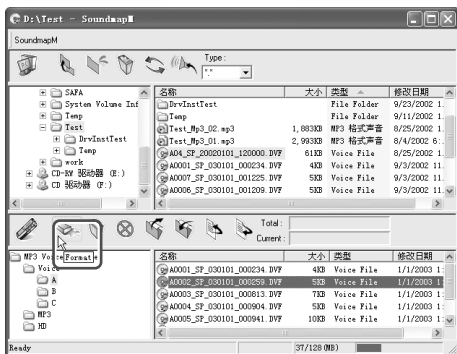


(2) 点选“删除”按钮。



3) 删除全部档案

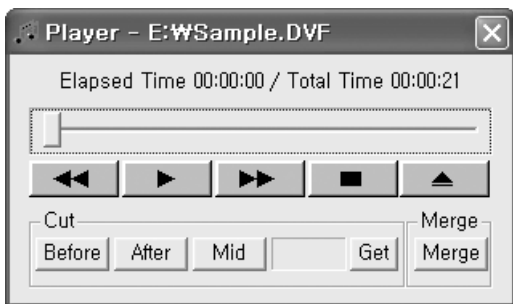
(1) 点选"格式化"按钮。



DVF播放器使用说明书

1. 播放方法

- 1) 按 '' 键，打开档案开窗。
- 2) 选择希望档案，打开档案。
- 3) 程序的状态窗上出来以下同一选择档案名字，显示总播放时间。



- 4) 按 '' 键，移动进行杆，播放档案。

2. 播放中，移动到别的区段的方法

- 1) 按 '' 或 '- 2) 使用鼠标，点击进行杆，移动到希望区段，从此开始播方。
- 3) 以鼠标点击进行杆的希望的区段时，进行杆往点击的方向移动一定的时间。然后，稍等就从现在区段开始播方。

3. 档案中，删除一个特定部分的方法

1) 希望删除前面时

- (1) 先进行杆移动到希望删除的区段。
- (2) 请按'Before'键。
- (3) 档案储蓄窗显示记录储蓄的档案名字。
- (4) 进行杆以后的部分以新名字储蓄。

2) 希望删除后面时

- (1) 先进行杆移动到希望删除的区段。
- (2) 请按'After'键。
- (3) 档案储蓄窗显示记录储蓄的档案名字。
- (4) 以前的部分以新名字储蓄

3) 删除时

- (1) 先进行杆移动到希望删除的区段的开始点。
- (2) 按'Get'键，储蓄现在的时间。
- (3) 进行杆移动到希望删除的终点。
- (4) 请按'Mid'键。
- (5) 显示档案储蓄窗，纪录储蓄的档案的名字。
- (6) 删除中间的数据后，以新名字储蓄。

4. 并合两件档案的方法

- 1) 先使用'▲'键打开将前部进入的档案。
- 2) 按'Merge'键，选择后边贴的档案。
- 3) 然后，选择并合的档案的储蓄名字。
- 4) 两件档案并合后，储蓄指定的名字。

※ 注意：DVF fileの場合，可能并合只bit rate的文件。

产品规格

区分	SR-M180	SR-M160
最长录音时间	SP : 2730分钟(45小时) LP : 2184分钟(36小时) HQ : 1197分钟(19小时)	SP : 1350分钟 LP : 1070分钟 HQ : 590分钟
支持 MPEG	MP3(8kbps ~ 320kbps) / WMA(6.4kbps ~ 192kbps)	
记忆体	Flash Memory(128MB)	Flash Memory(64MB)
档案结构	DOS档案 System(FAT12/16) 规格	
PC 界面	USB 1.1 规格 (Max 35Mbps)	
本体电源	AAA / LR03, 1.5V, 1个)	
电池寿命	录音时 : 6 小时 / 播放时 : 6小时	
最大储存档案数量	(1) 录音档案 : 共297个(99*3) (2) MP3档案 : 共99个 (3) 普通资料 : 共99个 (4) 共可储存495个档案	
最大输出功率	70mW(扬声器输出) / 7mW(耳机输出)	
内装麦克风	不定向电容器麦克风	
S/N (杂讯比)	90dB	
输出频率范围	20Hz ~ 20KHz	
外形测量	32.7 × 105.4 × 14.6mm	
重量	35g (Net) / 47g(包括电池)	

有什么异常吗？

症状	确认事项	采取措施
液晶显示器失灵	干电池没电。 干电池的极性错。 不清除电池保护纸。	更换干电池。 正确安装干电池。 请清除保护纸。
不录音	处于锁定方式。 干电池没电。 录音序号或录音空间满。	解除锁定方式。 更换新电池。 删除不必要的 内容。
不播放	处于锁定方式。 干电池没电。 无录音内容。 音量调节钮处于最低挡。	解除锁定方式。 更换新电池。 确认录音序号。 适当调节音量。
扬声器无声	已插入耳机。 音量调节钮处于最低挡。	拔出耳机插头。 适当调节音量。
耳机无声	耳机插头未插牢。 音量调节钮处于最低挡。	插牢耳机插头。 适当调节音量。

产品质量保证书

产 品 名		MP3 VOICE RECORDER		
型 号				
购 买 日		年 月 日	质保期间	1年
购 买 地 点		购买金额		
电 话		人民币		
顾 客	姓 名			
	地 址			
	电 话			

1. 本产品是经过严格的质量管理和检验的产品。
2. 在正常使用的情况下，对质保期间内所发生的故障免费维修。
3. 即使在质保期间内，若属于收费服务的范畴，将收取一定的修理费用。
4. 本质保书只在国内有效。
5. 购买本产品时，一定要填写本保证书的有关栏目，并托善保管。
6. 发生故障时，请同购买本产品的经销店联系。

收费服务

1. 使用不当所造成的故障。
2. 用户擅自改造或修理本产品所造成的故障。
3. 不可抗力因素(火灾、盐害、水灾、战争等)所造成的故障。
4. 超过质保期限时。

SAFA Smart Audio & Future Audiopia
SAFA MEDIA Co., Ltd.

Special features

1. Function to Record Maximum 297EA items & Function to Save 99EA MP3/WMA Files.
2. Function to Play MP3/WMA File.
3. Function to Save Additional Data File. (99 EA)
4. Fast saving to PC via USB1.1(Max 3.5Mbps).
5. Convenient and easy to carry slim-line design.
6. Telephone conversation recording.
7. Auto power-off.
8. Search & Play.(INTRO SCAN)
9. Various repetitions.
10. Record mode index separation.
11. Earphone monitoring during line-in recording.
12. VOR(Voice Operation Recording)Function.
13. Backlight.
14. Function to Play through Built-in Speaker.

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Cautions and Warnings

Cautions

1. Do not attempt to open repair, or modify.
2. Do not use this product where the use of electronic devices is prohibited. (such as in aircraft, etc.)
3. Do not put this product or any of its accessories in your mouth.
4. Do not immerse this product in water or spill liquids on it.

Warnings

1. Do not expose main unit or its accessories to any shocks. This may cause it to malfunction.
2. Should the product become deformed or malfunction due to exposure to smoke or heat, remove the batteries from the main unit immediately and disconnect any external cables.
3. Do not apply excessive force to the LCD screen. It may cause damage to the LCD or cause it to malfunction.
4. Do not expose the product to direct sunlight or any source of heat for a prolonged period.
5. Remove the batteries if you do not intend to use this product for any prolonged period of time.
6. Do not pull the accessory wires (earphone, earmic, or audio cables) with excessive force.
7. Please note that we lack all sense of responsibility from damage or demanding compensation by using this product.
8. We do not have any responsibility to the losses, vanished content that breaks out, using this product or repairing it. So if there is important content, please keep it in the safe recording medium.
9. Please give attention. The speaker of this product may make a change in the content of magnetic card such as a credit card or a transportation ticket.
10. Please note that this product is prohibited from using illegal methods such as an invasion of a person's privacy or eavesdropping.

※ **The design and the specifications are subject to change without prior notice.**

Check the components

Recorder and accessories



Main unit



Adaptor for telephone conversation recording



Cable for telephone conversation recording



Stereo earphone



USB cable



External Microphone



Audio Cable



CD-ROM



Battery (AAA X 1)

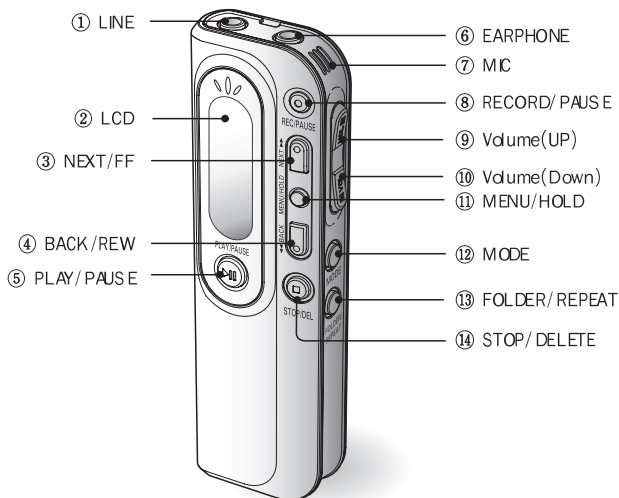
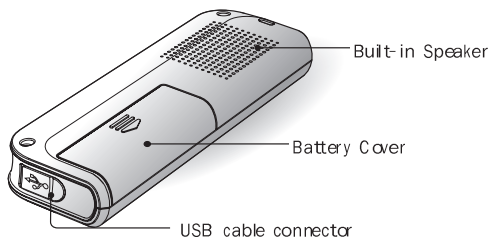


User's manual

Names of each part



1 Main Unit



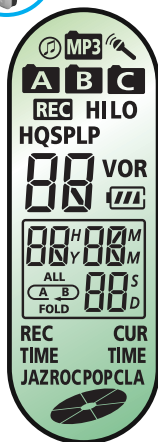


2 Button Function

- ① **LINE :**
It is the external line input connector.
- ② **LCD :**
Liquid Crystal Display: it displays the current status.
- ③ **NEXT/FF :**
It is "Forward" button and is used to move to the next file.
- ④ **BACK/REW :**
It is "Rewind" button and is used to move to the previous file.
- ⑤ **PLAY/PAUSE :**
It is "Playback" button and plays the current file.
- ⑥ **EARPHONE :**
It is the earphone jack.
- ⑦ **MIC :**
It is built-in microphone and is used for recording.
- ⑧ **RECORD/PAUSE :**
It is "Record" button and is used for recording.
- ⑨ **Volume(UP) :**
It is used to increase the volume.
- ⑩ **Volume(Down) :**
It is used to decrease the volume.
- ⑪ **MENU/HOLD :**
It is used to enter the menu mode or lock the buttons.
- ⑫ **MODE :**
It is used to change the MP3 Player mode into the recorder mode and vice versa.
- ⑬ **FOLDER/REPEAT :**
It is used to change folders or setup the file repetition mode.
- ⑭ **STOP/DELETE :**
It is used to stop playing or recording, or delete files or folders.

LCD Indicator and Symbols

Description of Screen Display



Folder display (When Using as Recorder)		Folder displayed (When Using as Mp3 Player)	
HQ/SP/LP	Indication of Recording mode	00	File Index display
HI/LO	Indication of Recording sensitivity mode		Indication of Battery
VOR	VOR display		Indication of Repetition
	Indication of Recording		Indication of Recording Time of File
	Indication of Play or Recording		Indication of Present Time
JAZ ROC POP CLA Indication of Change Mood When Establishing EQ			
H M S Indication of Time		Y M D Indication of Date	

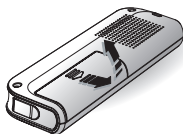
Use of the batteries

< Purchasing the product >

1 Please open battery.

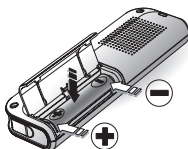
To prevent batteries from discharging, remove the plastic pack.

2 Open the battery cover.



3 Insert the batteries.

1. Check the polarity of the batteries (Size "AAA") and close the cover.
2. Insert the $\ominus$ (negative pole) of the battery first and then push the $\oplus$ (positive pole) of the battery.



3. When you have inserted the batteries, the LCD will display all indicators and will be in the stop state in the A folder after you enter the record mode. (Figure 2)

(Figure 1)



(Figure 2)



< Replacing the batteries >

1 Be sure that the power is OFF.

Do not replace the batteries while the power is on. It may cause the product malfunction.

2 How to remove the batteries

1. Open the battery cover.
2. Push and lift up the $\oplus$ (positive pole) of the battery toward the $\ominus$ (negative pole) of the battery.

3 All other procedures are the same as <Purchasing the product> procedure.

Battery life

Battery	Recording capacity	When Playing Recorded File	When Playing MP3 File
Alkaline (LR03)	Approximately 6 hours	Approximately 6 hours	Approximately 7 hours

Getting Started



1 Switching On

Press the (PLAY/PAUSE) button to switch on the product. The product will switch to standby mode.

► Alternatively, you can press the (REC/PAUSE) button.

Switching MP3 VOICE RECORDER Off

The power will be automatically shut off if you do not do activate any functions for 1 minute.

► Press and hold (PLAY/PAUSE) button in the stop state to turn off the power.

(Figure 1-1 : Recorder Mode, Figure 1-2 : MP3 Player Mode)

(Figure 1-1)



(Figure 1-2)



2 Locking the button (HOLD)

HOLD function is useful for preventing false operation during play or recording.

1. If you push MENU/HOLD Key for long time (about 2 seconds) under Recording/Play/Stop Mode, it will in Hold On Mode. Although you push other Key in Hold On Mode, other Key except MENU/HOLD Key won't operate while indicating 'Hold On' on LCD. (Figure 1-3)
2. Press and hold MENU/HOLD button (for about 2 seconds) in the hold on state to release lock state. If 'Hold OF' is indicated in LCD, it will be in Normal Operation Mode while Hold Mode is released. (Figure 1-4)

(Figure 1-3)



(Figure 1-4)



Recording



Please note the followings before you start recording

- Check that the product is in standby mode.
- Press and hold PLAY/PAUSE button in the stop state to turn off the power.
- ▶ If it is not established as Recorder Mode (the Mode of Picture 1-1), recording is impossible.
- ▶ Press the  (Play/Pause) button to display the remaining recording capacity.
- ▶ The maximum index number for each Folder is 99 (Up to 297 Folders: 99 X 3)
- ▶ If the recorded time exceeds the capacity limit, "FULL" is displayed in the LCD. Then, you have to delete a part of the recorded contents to continue to record. Before you delete, copy the contents into the external appliances (tape or computer).
- ▶ If the number of the recorded files is over 99, "FULL" is displayed in the LCD. Then, push Folder/Repeat key and move to other folder to record. If each folder such as A, B or C has 99 recorded files, you cannot record at all. So delete several recorded files and continue to record after copying the files into the external appliances (tape or computer).
- ▶ Don't take out battery or connect USB to PC in the middle of Recording. It may cause error.
- ▶ In case of long-term recording, please use it after previously replacing battery in STOP Mode or turned-off state.
- ▶ Do not touch or move the product while you are recording via the built-in Microphone. This may cause unnecessary noise on your recording.
- ▶ The recording will automatically be paused when the level of sound resource decreases while VOR is on.
- ▶ Pause Mode in the middle of Record will be continued for 30 minutes and become STOP Mode after 30 minutes.

(Figure 2-1)



Voice Recording

- Establish sensitivity of recording, folder, VOR function and tone quality (HQ, SP and LP) in prior to recording.

1 Recording with the Built-in microphone

- Establish Recorder Mode through pushing MODE Key.
 - You can use the function when the product is on the desk or table.
- Direct the product's built-in microphone towards the source of the sound.
 - Press the  (REC/PAUSE) button to start recording. REC will be displayed on LCD .
(Figure 2-2 , 2-3)
 - If you push  Key, it will pause and the letter of PAUS will blink. (Figure 2-4)
▶ If there is no operation under Pause Mode, it will be changed to STOP Mode.
 - Press  button again to continue the recording.
 - If you push  (STOP/DEL) Key under Recording or Pause Mode, Recording will be stopped.

(Figure 2-2)



(Figure 2-3)



(Figure 2-4)



2 Recording with the external microphone

- You can use the function when the product is in the pocket or bag.
- Connect the external microphone supplied with your MP3 VOICE RECORDER to the LINE Connector.
 - Follow the same procedure as with the built-in microphone.



(Figure 2-5)

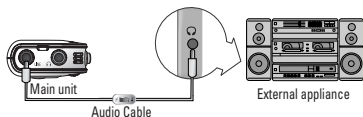
Recording with line-in

- Establish sensitivity of recording, folder, VOR function and tone quality (HQ, SP and LP) in prior to recording.
- In case of LINE recording, too much volume can cause distortion of sound.

1

Recording from external appliances (Audio, PC)

1. Connect one end of the audio cable to the Audio Cable Connector (LINE) of your Sound MAP and the other end to the external appliance (Audio or PC). (See following Picture)



2. Adjust the Audio Cable switch to 'LINE'. (See following Picture)



3. Play the external audio.
4. Follow the same procedure as with the built-in microphone .
 - ▶ Plug in the earphone to listen to the sound input from the external appliance.

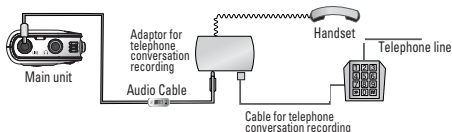
※ **Note :** If you do not adjust the Audio Cable switch to 'LINE', you may not listen to the sound from the earphone or the sound can be distorted.

- ▶ The sound from the earphone may change slightly when recording starts. However, this will not have any effect on the actual recording.
- ▶ You can adjust the volume in the middle of recording.

2

Recording the general telephone conversation

1. Connect the audio cable in the MP3 VOICE RECORDER Audio Cable Connector (LINE). Connect the adapter and the telephone with the cable for telephone conversation recording. Then, connect the handset cable of the telephone to the adapter.
2. Adjust the Audio Cable switch to 'TEL'.



- ※ **Note** -Type of telephone may not be used for recording.
Please test the recording.
-It may be necessary to change the direction of installation of the adaptor (marked by (A)) depending on your particular model of telephone.

3. Follow the same procedure as with the built-in microphone.

Playback

1 Recorded voice file playback

- Setup the recorder mode using **MODE** button before playing.
- Adjust the volume using **VOLUME UP/DOWN** button while playing.

1. Press the **FOLDER/REPEAT** button to select the Folder (A, B, C) you want.
 - ▶ If there is no selection, current File will be played. Under MP3 Player Mode, you can't change Folder.
2. Select File to play with Next and Back Keys.
3. Press the **▶||** (PLAY/PAUSE) button to start playback. The recorded time will be displayed. (Figure 3-1)
4. If you push **▶||** (PLAY/PAUSE) button in the middle of Play, it will pause. (Figure 3-2)
5. Press **▶||** (PLAY/PAUSE) button during pause to resume the playback.
 - ▶ Under Pause Mode, no operation for 30 minutes will cause STOP.
6. Press the **■** (STOP/DEL) button during playback or pause mode to stop playback.

(Figure 3-1)



(Figure 3-2)



2 MP3/WMA File playback

- Setup the MP3 Player mode using **MODE** button before playing.
- Adjust the volume using **VOLUME UP/DOWN** button while playing.
- You can control the equalizer using **MENU/HOLD** button in the play or stop state.
 - Change order is JAZZ — ROCK — POP — CLASSIC — NORMAL.

1. Select File to play with Next and Back Keys.
 - You cannot change the folders using **FOLDER/REPEAT** button in the MP3 Player mode.
2. Press the **▶||** (PLAY/PAUSE) button to start playback in MP3/WMA File. (Figure 3-3)
3. If you push **▶||** (PLAY/PAUSE) button in the middle of Play, it will pause. (Figure 3-4)
4. Press **▶||** (PLAY/PAUSE) button during pause to resume the playback.
 - ▶ Under Pause Mode, no operation for 30 minutes will cause STOP.
5. Press the **■** (STOP/DEL) button during playback or pause mode to stop playback.

(Figure 3-3)



(Figure 3-4)



※ If the MP3 file is UBR, the total playback time may look different.

3

High-speed Search

- **Present function is possible under both of Recorder and MP3 Player Modes.**
- 1. If you push NEXT or BACK Key in the middle of Play over 0.5 second, display time will rapidly increase or decrease on LCD screen without sound while pushing it.
- 2. Release the button when you want to start playback.
- 3. If you search the last part of current File when performing High-Speed Search with NEXT Key, it will pass to next File and continue the operation to pass to the first File after searching the last File within current Folder.
- 4. If you search the first part of current File, when performing High-Speed Search with BACK Key, it will pass to next File and continue the operation to pass to the last File after searching the first File within current Folder.

4

Play of other File

- **Present function is possible under both of Recorder and MP3 Player Modes.**
- 1. When changing one File
 - ① If you push NEXT Key for short time under Play Mode, it will play after moving to before or behind File.
 - ② If you push BACK Key within 3 seconds during the playback, it will play after moving to the previous file and play, and if you push BACK Key after 3 seconds, it will play after moving to the beginning of the current File.
- 2. When changing a couple of Files.

If you push NEXT/BACK Key for long time (about 2 seconds) under Stop Mode and File will move while pushing it.

► If you release Key in the middle of movement, it will stopped under the state of current File Number.

5

Repetition Playback

- Present function is possible under both of Recorder and MP3 Player Modes.
- If you push  (PLAY /PAUSE) Key under Repeat Play Mode, it will pause.

Section Repetition

-It repeats the specific section within one file.

1. Press FOLD/REPEAT button briefly where you want to start the section repetition.
▶ The starting point is set and the **A B** indicator flashes.(Figure 3-5)
2. When **A B** blinks, press FOLDER/REPEAT button to repeat continuously at the end of section repetition.
3. Press FOLDER/REPEAT button briefly during repetition to stop the repetition and continue to playback.
4. If you push  (STOP/DEL) Key in the middle of Repeat Play, Repeat Play will be cancelled and it will be stopped.

※ When the currently played file is completed to play after specifying the section A, the last section of the current file will be set as a B and repeat.

(Figure 3-5)



Index Repetition

- It repeats one file.
- This function will be performed in the recorder or MP3 Player as the same function.

(Figure 3-6)

1. Please push FOLDER/REPEAT Key once for long time (about 2 seconds) under Play Mode.
2. It will repeat the File currently being played endlessly while indicating oval arrow letter. (Figure 3-6)
3. If you push FOLDER/REPEAT Key for long time under Stop Mode, File Repeat Play Mode will be established.
4. If you push  (PLAY/PAUSE) Key under File Repeat Play Mode, it will perform File Repeat Play.
5. If you push  (STOP/DEL) Key under File Repeat Play Mode, Play will be stopped and maintain the current state of Play Mode.



Folder Repetition

- It repeats all Files in one Folder.
 - This function will be performed in the recorder or MP3 Player as the same function.
- Please push FOLDER/REPEAT Key once for long time (about 2 seconds) under twice Play Mode.
 - The letter, FOLD will be indicated under the oval arrow. (Figure 3-7)

▶ The "ALL" symbol will be displayed above oval arrow in the MP3 Player mode. (Figure 3-8)

- Overall Files within current Folder will be repeatedly played.
- If you push FOLDER/REPEAT Key twice for long time under Stop Mode, Folder Repeat Play Mode will be established.
- If you push (STOP/DEL) Key under Folder Repeat Play Mode, current Repeat Play Mode will be maintained as current state.

(Figure 3-7)



(Figure 3-8)



Whole Folders Repetition

- It will play all Files within A, B, C and Whole Folders.
- Whole Folders Repeat Play is possible just under Recorder Mode.
- It won't operate under MP3 Player Mode.

- Please push FOLDER/REPEAT Key three times for long time (about 2 seconds) under Play Mode.
- The letter, ALL, will be indicated over oval arrow. (Figure 3-9)
- It will perform endless Repeat Play of Whole A, B, C and Whole Folders in order.
- If you push FOLDER/REPEAT Key three times for long time under Stop Mode, Whole Folders Repeat Play Mode will be established.
- If you push (STOP/DEL) under File Repeat Play Mode, Play will be stopped and current Repeat Play Mode will be maintained as current state.

(Figure 3-9)



Shuffle Repetition

- You can use this function in the MP3 Player mode only.
- This function is used to select a file in the folder and playback.

- Please push FOLDER/REPEAT Key three times for long time (about 2 seconds) under Play Mode.
- "SHUF" will be displayed in the LCD. (Figure 3-10)
- A file in the MP3 folder will be played.
- Then whenever file is changed, at the beginning of the file, "SHUF" will be displayed in the LCD.
- If you push (STOP/DEL) under File Repeat Play Mode, Play will be stopped and current Repeat Play Mode will be maintained as current state.

(Figure 3-10)



※ Repetition order (If you press and hold REPEAT/FOLD button)



Deletion of File

1 Deletion of one File

- Deletion Time depends on the quantity of File.
- It operates under both of Recorder and MP3 Player Modes .

1. Press (STOP/DEL) button briefly during playback or stop state.
 - ▶ The index number appears and DEL flashes while your Sound MAP still plays the music in delete standby state.
2. Please Move to the File to delete with NEXT/BACK Key.(Figure 4-1)
3. Press and hold the (STOP/DEL) button (3 seconds) to delete the current index.
 - ▶ The number of indices after the deleted index will now be decreased by one automatically.
4. If you don't want to delete under Deletion Standby Mode, please push (STOP/DEL) Key for short time or wait for 5 seconds without pushing any Keys. It will be changed to Stop Mode.

※ 01, 02, 03, 04 → delete the index No. 03 → 01, 02, 03 (04 goes to 03)

(Figure 4-1)



2 To Delete a FOLDER

- It operates under both of Recorder and MP3 Player Modes.
- If there is too many files in a folder, it takes too much time to delete them.

Deletion of one Folder

1. Press and hold (STOP/DEL) button (for about 3 seconds) during stop state.
 - ▶ The current file appears and DEL flashes.
2. Press the FOLDER/REPEAT button to move to the Folder you want to delete.(Figure 4-2, 4-3)
 - ▶ Folders move as the following order; "A →B→C→ABC→A".
 - ▶ When ABC and AL are displayed on the LCD, you can delete the recorded contents in the whole folders.
 - ▶ It is indicated as 'del' and FOLDER/REPEAT Key won't operate under MP3 Player Mode.
3. Press and hold (STOP/DEL) button (for about 3 seconds) again to delete all the indices in the selected Folder. Your Sound MAP will stop playing at the Folder.
4. If you don't want to delete Folder in No. 3, you can return from Folder Deletion Mode through pushing (STOP/DEL) Key for short time.

※ You can return to STOP state by pushing any buttons except NEXT or BACK button.

(Figure 4-2)



(Figure 4-3)



Menu Function

- MENU item order: SENSE → VOR → BACK LIGHT → Recorded voice quality → Current time → SCAN → Time setup → SENSE.
- It operates just under Stop Mode.
- Push the button once.
- It operates just Under Recorder Mode and does not enter into Menu Mode.

1 Establishment of Mice Recording Sensitivity

- Please adjust the sensitivity according to the recording circumstances.
- The factory default is high-sensitive mode.

1. Press MENU/HOLD button once during the stop mode. (Figure 5-2)
2. Please establish LO SENSE or HI SENSE with NEXT/BACK Key. (Figure 5-1, 5-2)
3. If you want to select changed Mode, move to next Menu through pushing MENU/HOLD Key, push (STOP/DEL) Key or wait for 10 seconds.

(Figure 5-1)



(Figure 5-2)



Notes

Hi SENSE : In a silent circumstance (recommended)

LO SENSE : In a noisy circumstance. Put the Mic close to the source of the sound.

2 VOR Function

- VOR is the function as the source volume is decreased and the recording is paused automatically and simultaneously.
- The factory default is VOR OFF mode.
- While operating VOR, sound can be broken a little.
- If you use VOR ON in the state of low sensitivity, just high sound is recorded.
- If you record important context, VOR OFF is recommended.

1. Please push MENU/HOLD Key twice for short time under Stop Mode. (Figure 5-3)

2. Establish VOR ON/OFF with NEXT/BACK. (Figure 5-3, 5-4)

3. If you want to select changed Mode, move to next Menu through pushing MENU/HOLD Key, push (STOP/DEL) Key or wait for 10 seconds.

(Figure 5-3)



(Figure 5-4)



3

Establishment of Back Light

- It is the method to decide whether to turn on Back Light or not when you pushing Key.
 - When you buy product first, it will be established as Back Light ON Mode .
- Please push MENU/HOLD Key three times for short time under Stop Mode.(Figure 5-5)
 - Establish LIGHT ON/OFF with NEXT/BACK Key. (Figure 5-5, 5-6)
 - If you want to select changed Mode, move to next Menu through pushing MENU/HOLD Key, push  (STOP/DEL) Key or wait for 10 seconds.
 - If you press any button after you setup the function to "On", backlight will be on for about 3 seconds.

(Figure 5-5)



(Figure 5-6)



4

Establishment of the Tone Quality of Recording

- It is the method to establish the Tone Quality of Recording. (Recording time depends on establishment)
 - When you buy product first, it will be established as SP Mode .
- Please push MENU/HOLD Key four times for short time under Stop Mode.(Figure 5-7)
 - Establish LIGHT LP,SP and HQ with NEXT/BACK Key. (Figure 5-7, 5-8, 5-9)
 - If you want to select changed Mode, move to next Menu through pushing MENU Key, push  (STOP/DEL) Key or wait for 10 seconds.

(Figure 5-7)



(Figure 5-8)



(Figure 5-9)



Notes

LP : It is possible to record low tone quality with 6.4 Kbps for long time.

SP : It is the standard tone quality with 8 Kbps.

HQ : It is possible to record high tone quality with 14.6 Kbps but recording time is diminished.
(Refer to the product specifications on page 37.)

5

Time Check Function

- When you insert batteries after you purchase the product, the time will start with 00:00:00, 01, Jan, 2003.
- If you do not replace the batteries within 2 minutes, the time will be as above.

- Please push MENU/HOLD Key five times for short time under Stop Mode. (Figure 5-10)
- Please check current time and date with NEXT/BACK Key. (Figure 5-10, 5-11)
- If you want to finish Time Check Mode, push MENU/HOLD Key to move to next Menu, push (STOP/DEL) Key or wait for 10 minutes.

(Figure 5-10) (Figure 5-11)



6

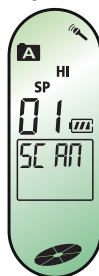
SCAN Function

- It is the function to listen first parts of whole recorded files for 5 seconds in order.

- Please push MENU/HOLD Key six times for short time under Stop Mode. (Figure 5-12)
- Press the (PLAY/PAUSE) button to play every index for 3 seconds from the first index of the current file. (Figure 5-12, 5-13)
- If you want to finish Scan Mode, push (STOP/DEL) Key or wait until the last part of current Folder is scanned.

(Figure 5-12)

(Figure 5-13)



7

Clock setting

● This is for setting the present date and time.

1. Please push MENU/HOLD Key six times for short time under Stop Mode.
2. In First Date Establishment Mode, Cursor will blink in front of Y(Year).(Figure 5-14)
3. Establish Date with VOLUME UP/DOWN Key.(Figure 5-15)
4. After changing to Y—M—D with NEXT/BACK button, establishing MONTH and DATE with VOLUME button, and establishing D(DAY), enter into Time Setup Mode.
5. Establish time through similar way to day establishment.(Figure 5-16)
6. If you want to finish Time Establishment Mode, push (STOP/DEL) Key or wait for 10 seconds.

※Note : If the part of time is not established, it will be established as '00'
and if the part of date is not established, it will be established as '01'.

(Figure 5-14)



(Figure 5-15)



(Figure 5-16)



※ Without special establishment, time will be established as 00:00:00, 01, Jan, 2003.

Additional Function (Recorder)

1 Recording Date/Time Check Function

- In case of recording, established Date/Time is saved.
It is the function to check the time.

1. Please push MODE Key for long time under Stop Mode. (Figure 6-1)
2. Enter into Recorded Date Confirmation Mode.
3. You can check Date/Time while changing it with VOLUME UP/DN Key.(Figure 6-1, 6-2)
4. If you push NEXT/BACK button, the recorded time of the changed file will be displayed.
5. If you want to finish Date/Time Check Mode, push  (STOP/DEL) Key or wait for 10 seconds.

(Figure 6-1)



(Time)

(Figure 6-2)

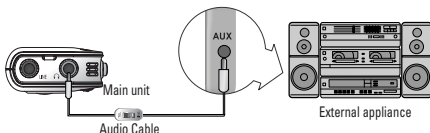


(Date)

Saving into the external appliance

1 To save into the external audio (such as cassette recorder)

1. Connect one end of the audio cable to the earphone jack of your recorder and the other end to the microphone input jack or AUX input jack of the external audio appliance.



※ You need to purchase another cable if the provided audio cable does not fit the input jack of the external audio.

2. Press the record button on the external audio appliance and the play button on your MP3 VOICE RECORDER simultaneously to start recording.

2 To save into a PC via USB

● This is to save the recorded sound into your PC promptly.

1. Insert the enclosed CD into the CD-ROM drive on your PC.
2. See the separate guide for program installation details and saving method.

Sound Map M Installation

1. Sound Map M Installation

- ▶ After inserting the installation CD into CD-ROM of your PC, it runs automatically and the following screenshots appear. Continue the installation process by pressing "NEXT" button on the following screenshot.

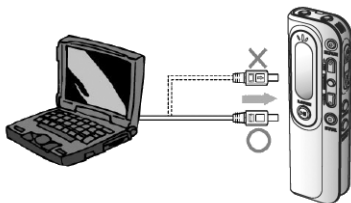


Note) The requirements for PC necessary to install Sound Map M are:
Windows 98SE/Me/2000/XP, USB 1,1

Connecting to your PC

2. Connecting to your PC

- ▶ Connect the recorder to your PC using the applied USB cable.



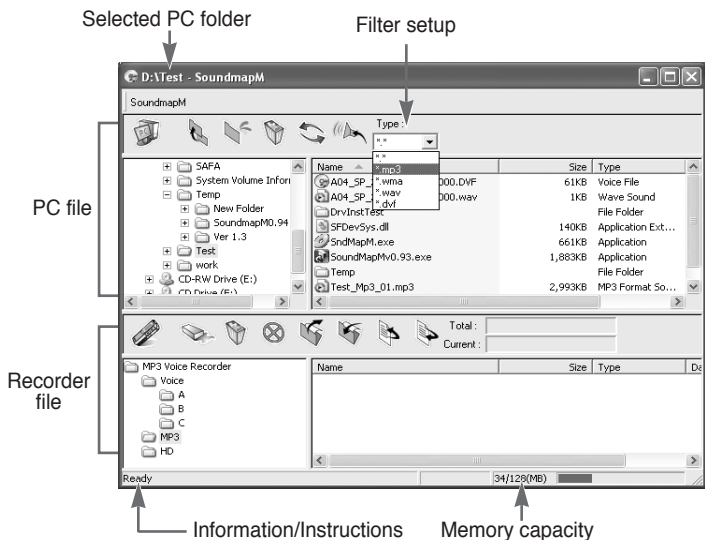
- ▶ When you connect to PC, do not connect an earphone with a line cable.
- ▶ In Windows 98SE/Me/2000, after connecting, the installation is finished automatically. In Windows XP, the following screenshots appear.



Sound Map M Configuration

3. Sound Map M Configuration

1) Sound Map M Configuration



2) Button description

(1) PC file buttons

	Moves to the upper folder.
	Creates a new folder.
	Deletes the selected file.
	Converts the selected recorded file to WAVE format or vice versa.
	Refresh and display the contents.

(2) Recorder file buttons

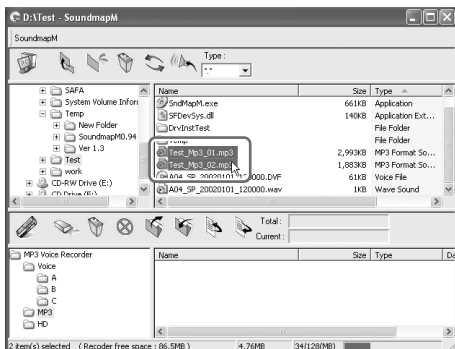
	After connecting, the color LCD flashes and the status of connection appears.
	Stops the uploading, downloading and recorded file conversion.
	Uploads the selected file to PC.
	Downloads the selected file to the recorder.
	Deletes the selected file.
	Deletes all files in the recorder.
	Moves the order of selected files forward.
	Moves the order of selected files backward.

PC file management

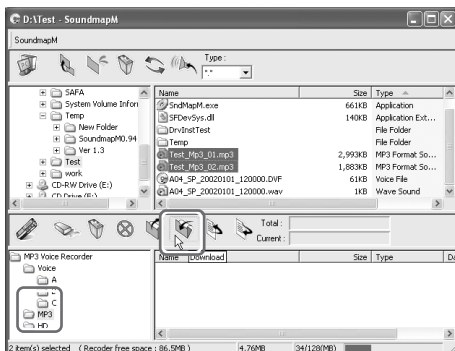
4. PC file management

1) Sending files to the recorder

(1) Select the files to send.

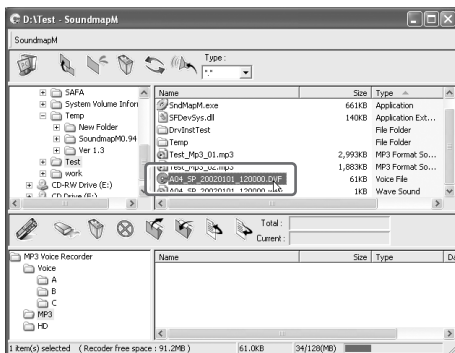


(2) Select the folders in the recorder and click the "download" button.

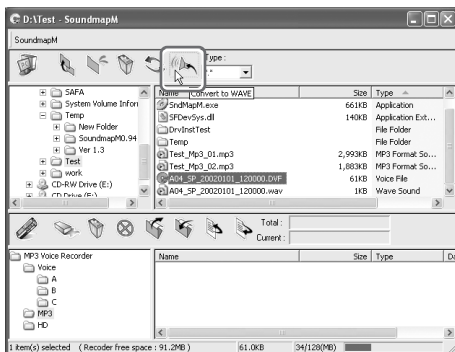


2) Converting the recorded files

(1) Select the files to convert.



(2) Click the "convert" button.

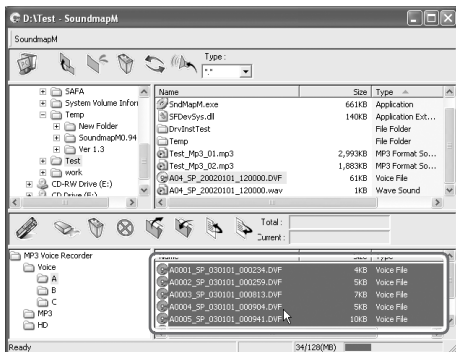


Recorder file management

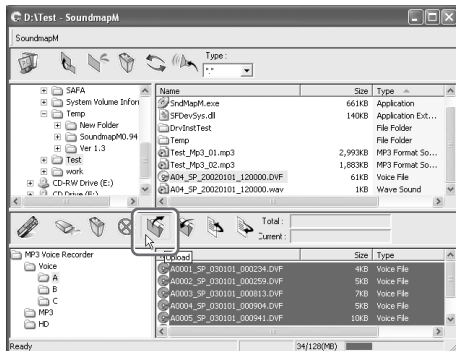
5. Recorder file management

1) Sending files to PC

(1) Select the files to send.

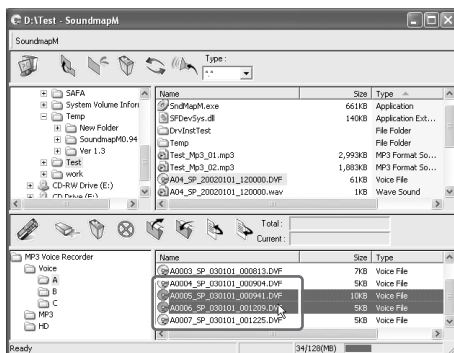


2) Click the "upload" button.

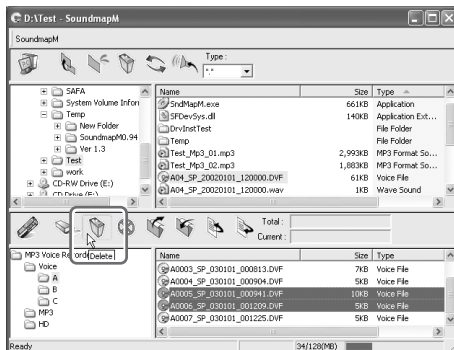


2) Deleting the selected files

(1) Select the files you want to delete.

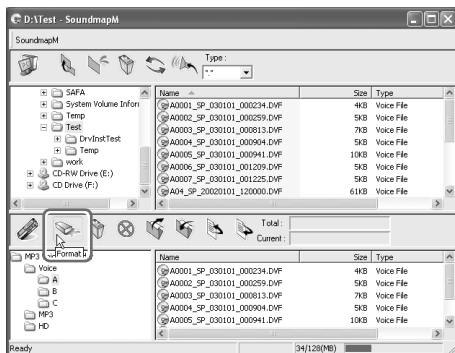


(2) Click the "delete" button.



3) Deleting all files.

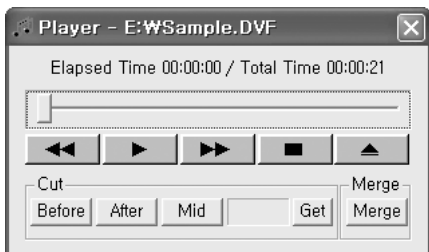
(1) Click the "format" button.



DVF player User's guide

1. How to play

- 1) Press '  ' button to open OPEN FILE window.
- 2) Select a file and open the file.
- 3) In the program status window, the selected file name and the total playback time will be displayed.



- 4) If you press '  ' button, the progress bar is moving and playback the file.

2. How to move the playing point

- 1) If you press '  ' or '  ' button, the progress bar moves to the point of 5 seconds before or after, and play the file from that point.
- 2) If you click the progress bar and place the bar at the point you want using mouse, play the file from that point.
- 3) If you click the progress bar, the progress bar will be moved by specific time period to the direction of clicking. Then, after a few moments, it will restart to play the file from the current point.

3. How to cut off the specific part of the file.

- 1) If you want to cut off the fore part of the file,
 - (A) First, Place the progress bar at the point you want to cut off.
 - (B) Press '  ' button.
 - (C) After opening SAVE FILE window, write down the file name you want to save.
 - (D) The next part of the progress bar will be saved as a new name.
- 2) If you want to cut off the back part of the file,
 - (A) First, Place the progress bar at the point you want to cut off.
 - (B) Press '  ' button.
 - (C) After opening SAVE FILE window, write down the file name you want to save.
 - (D) The previous part of the progress bar will be saved as a new name.
- 3) If you want to cut off the middle part of the file.
 - (A) First, Place the progress bar at the beginning point you want to cut off.
 - (B) Press '  ' button to save the current time.
 - (C) Place the progress bar at the last point you want to cut off.
 - (D) Press '  ' button.
 - (E) After opening SAVE FILE window, write down the file name you want to save.
 - (F) After deleting the middle part of data, the data will be saved as a new name.

4. How to combine two files.

- 1) First, Open the file which locates at the fore part using '  ' button.
- 2) Press '  ' button to select the file which locates at the next part.
- 3) After that, select a name for the combined files.
- 4) After combining two files, the file will be saved as the specified name.

Note) DVF files can be combined if the files have the same bit rates.

Specifications

Item	SR-M 180	SR-M160
Maximum Recording Time	LP : 2730minutes (45hours) SP : 2184minutes (36hours) HQ : 1197minutes (19hours)	LP : 1350minutes SP : 1070minutes HQ : 590minutes
MPEG Support	MP3(8Kbps ~ 320Kbps) / WMA (64Kbps ~ 192Kbps)	
Memory	Flash Memory(128MB)	Flash Memory(64MB)
File Structure	Standard DOS File System (FAT 12/16)	
PC Interface	Standard USB 1.1 (Max 3.5Mbps)	
Power	AAA / LR03, 1.5V, 1EA	
Battery Life	Recording : 6Hours / Playback: 6Hours	
Maximum Number of File to Save	① Recording File : Total 297EA (99*3) ② MP3 File : Total 99 EA ③ General Data : Total 99EA ④ It is possible to save total 495 EA Files	
Maximum Output	70mW (Speaker output) / 7mW(Output through Earphone)	
Built-in Microphone	omni-directional capacitor microphone	
S/N Ratio	90dB	
The Range of Output Frequency	20Hz ~ 20KHz	
Dimensions	32.7 x 105.4 x 14.6mm	
Weight	35g (Net) / 47g (battery included)	

Troubleshooting

Symptom	Check	Corrective action
LCD is blank.	The batteries are dead. The battery polarity is wrong. The wrapping vinyl for batteries was not removed.	Replace the batteries with new ones Insert the batteries with right polarity. Remove the seal.
I cannot record anything	Main Unit is locked (HOLD ON mode). Replace the batteries with new ones. The batteries are dead.	Release the lock mode. Replace the batteries with new ones Delete any unnecessary recordings.
I cannot playback	Main Unit is locked (HOLD ON mode). The batteries are dead. Nothing is recorded yet. The volume control is on lowest position.	Release the lock mode. Replace the batteries with new ones. Check the recording number. Adjust the volume control.
I cannot hear anything from the speaker.	Earphone is plugged in. The volume control is on lowest position.	Pull out the earphone. Adjust the volume control.
I cannot hear anything from the earphone.	Earphone is not fully plugged in. The volume control is on lowest position.	Fully plug in the earphone. Adjust the volume control.

Warranty

Product Name		MP3 VOICE RECORDER	
Model Name			
Date of Purchase	yr mon day	Warranty Period	1 year
Location		Paid Amount	
Tel		\$	
Customer	Name		
	Address		
	Tel		

1. This product has passed through thorough quality management and testing.
2. Any malfunction during normal use will be repaired free within the warrantee period.
3. Some service charge may apply for the services in Charged Service Guide even in the warrantee period.
4. This Warranty is valid only in the country of purchase.
5. Please fill the warrantee form and keep it at the safe place.
6. Please contact your local dealer when any problem occurs to this product.

Charged Service Guide

1. Malfunction due to user's negligence.
2. Malfunction due to unauthorized modification or repair
3. Malfunction due to natural hazards (such as fire, seawater, flood, or war).
4. When the warrantee period is expired.